

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants : Isao Karube et al.

Group Art Unit : Not Yet Assigned

Appl. No. : 10/565,830
(U.S. National Stage of PCT/JP2004/005436)

I.A. Filed : April 15, 2004

Examiner : Not Yet Assigned

: BIOSENSOR AND METHOD OF PRODUCING THE SAME



INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
U.S. Patent and Trademark Office
Customer Service Window, Mail Stop AMENDMENT
Randolph Building
401 Dulany Street
Alexandria, VA 22314

Sir :

In accordance with the duty of disclosure under 37 C.F.R. § 1.56 and §§1.97-1.98, Applicants hereby bring the following information to the attention of the Examiner in charge of the above-identified application, which includes information cited and discussed in the specification, the International Search Report, and the International Preliminary Examination Report issued in connection with International Patent Application No. PCT/JP2004/005436, of which the present application is the U.S. National Stage Application. Copies of the International Search Report and the International Preliminary Examination Report were enclosed with the papers when entering the U.S. National Stage on January 25, 2006. The Examiner is invited to review these materials to inspect

the relevance indicated during international examination with respect to the documents cited therein. The following is a list of the documents cited in the above-noted documents:

- (1) JP 54-50396, together with an English language abstract of the same.

Applicants note that this document is cited on page 2 of the specification of the present application;

- (2) JP 01-291153, together with an English language abstract of the same.

Applicants note that this document is cited on page 2 of the specification of the present application;

- (3) JP 03-202764, together with an English language abstract of the same.

Applicants note that this document is cited on page 3 of the specification of the present application;

- (4) JP 05-199898, together with an English language abstract of the same.

Applicants note that this document is cited on page 3 of the specification of the present application;

- (5) JP 09-222414, together with an English language abstract of the same.

Applicants note that this document is cited on page 4 of the specification of the present application;

- (6) JP 2001-204494, together with an English language abstract of the same.

Applicants note that this document is cited on page 4 of the specification of the present application;

- (7) International Patent Publication No. WO 01/33216. Applicants note that this document is cited on page 4 of the specification of the present application;
- (8) U.S. Patent No. 4,225,410. Applicants note that this document is cited on page 4 of the specification of the present application;
- (9) U.S. Patent No. 5,653,864. Applicants note that this document is cited on page 4 of the specification of the present application;
- (10) U.S. Patent No. 6,071,391. Applicants note that this document is cited on page 4 of the specification of the present application;
- (11) AHMADIAN et al., "SNP Analysis by Allele-Specific Extension in a Micromachined Filter Chamber," BioTechniques, The Journal of Laboratory Technology for Bioresearch, Vol. 32, No. 4, pp. 748-754 (April 2002). Applicants note that this document is cited on page 4 of the specification of the present application;
- (12) JP 2000-065777, together with an English language abstract of the same;
- (13) JP 2001-194335, together with an English language abstract of the same, and together with patent family member U.S. Patent No. 6,413,395;
- (14) JP 2003-185618, together with an English language abstract of the same;

- (15) JP 2001-281202, together with an English language abstract of the same,
and together with patent family member U.S. Patent Application
Publication No. 2001/0020591;
- (16) JP 08-189913, together with an English language abstract of the same,
and together with patent family member U.S. Patent No. 5,653,864;
- (17) JP 2000-314714, together with an English language abstract of the
same;
- (18) JP 04-264246, together with an English language abstract of the same;
- (19) JP 10-227756, together with an English language abstract of the same;
- (20) JP 2003-047500, together with an English language abstract of the
same;
- (21) JP 2003-090815, together with an English language abstract of the
same;
- (22) JP 10-332626, together with an English language abstract of the same;
- (23) JP 06-18472, together with an English language abstract of the same;
- (24) International Patent Publication No. WO 02/43864, together with patent
family member U.S. Patent Application Publication No. 2002/0177135;
- (25) JP 2002-207022, together with an English language abstract of the same,
and together with patent family member U.S. Patent Application
Publication No. 2002/0179442; and
- (26) JP 11-94791, together with an English language abstract of the same,
and together with patent family member U.S. Patent No. 6,071,391.

Further to 37 C.F.R. §1.98 (a)(2)(ii), copies of the U.S. patents and the U.S. patent application publications are not enclosed herewith. However, if copies are needed, the Examiner is respectfully requested to contact the undersigned.

Applicants respectfully request that the Examiner consider the above material and cite the same. Copies of the above-noted foreign documents and journal article are attached hereto and all of the above-noted documents are listed on the attached PTO-1449 Form. The Examiner is requested to initial the appropriate spaces on the attached Form and to return a copy of the completed Form PTO-1449 to Applicants with the next official communication in the present application.

In accordance with 37 C.F.R. § 1.97(b)(1), this Information Disclosure Statement is filed within three months of the filing date of the application. Accordingly, no fee is believed necessary to ensure consideration of the submitted material.

Should the Examiner have any questions, the Examiner is invited to
contact the undersigned at the below-listed telephone number.

Respectfully Submitted,
Isao Karube et al.



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FORM PTO-1449

U.S. Department of Commerce
Patent and Trademark Office

Atty. Docket No.
P29193

Application No.
10/565,830

INFORMATION DISCLOSURE STATEMENT
BY APPLICANT
(Use several sheets if necessary)

Applicant
Isao Karube et al.

Filing Date
April 15, 2004

Group
Unknown

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
/R.K./		4 2 2 5 4 1 0	09/30/80	PACE			
		5 6 5 3 8 6 4	08/05/97	GOTOH et al.			
		6 0 7 1 3 9 1	06/06/00	GOTOH et al.			
	2001	0 0 2 0 5 9 1	09/13/01	HASEGAWA et al.			
	2002	0 1 7 7 1 3 5	11/28/02	DOUNG et al.			
	2002	0 1 7 9 4 4 2	12/05/02	MIYAZAKI et al.			

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
/R.K./	54	- 5 0 3 9 6	04/20/79	JAPAN			
	01	- 2 9 1 1 5 3	11/22/89	JAPAN			
	03	- 2 0 2 7 6 4	09/04/91	JAPAN			
	05	- 1 9 9 8 9 8	08/10/93	JAPAN			
	09	- 2 2 2 4 1 4	08/26/97	JAPAN			
	2001	- 2 0 4 4 9 4	07/31/01	JAPAN			
	01	/ 3 3 2 1 6	05/10/01	W.I.P.O			
	2000	- 0 6 5 7 7 7	03/03/00	JAPAN			
	2001	- 1 9 4 3 3 5	07/19/01	JAPAN			
	2003	- 1 8 5 6 1 8	07/03/03	JAPAN			

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

	1	AHMADIAN et al., "SNP Analysis by Allele-Specific Extension in a Micromachined Filter Chamber," BioTechniques, The Journal of Laboratory Technology for Bioresearch, Vol. 32, No. 4, pp. 748-754 (April 2002).
/R.K./	2	English Language Abstract of JP 54-50396.
	3	English Language Abstract of JP 01-291153.
	4	English Language Abstract of JP 03-202764.
	5	English Language Abstract of JP 05-199898.
	6	English Language Abstract of JP09-222414.
	7	English Language Abstract of JP 2001-204494.
	8	English Language Abstract of JP2000-065777.
	9	English Language Abstract of JP2001-194335.
	10	English Language Abstract of JP 2003-185618.

EXAMINER

DATE CONSIDERED

*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /R.K./

FORM PTO-1449	U.S. Department of Commerce Patent and Trademark Office	Atty. Docket No. P29193	Application No. 10/565,830
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)		Applicant Isao Karube et al.	
		Filing Date April 15, 2004	Group Unknown

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
/R.K./	6 4 1 3 3 9 5	07/02/02	BHULLAR et al.			

FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
/R.K./	2001 - 2 8 1 2 0 2	10/10/01	JAPAN			
	08 - 1 8 9 9 1 3	07/23/96	JAPAN			
	2000 - 3 1 4 7 1 4	11/14/00	JAPAN			
	04 - 2 6 4 2 4 6	09/21/92	JAPAN			
	10 - 2 2 7 7 5 6	08/25/98	JAPAN			
	2003 - 0 4 7 5 0 0	02/18/03	JAPAN			
	2003 - 0 9 0 8 1 5	03/28/03	JAPAN			
	10 - 3 3 2 6 2 6	12/18/98	JAPAN			
	06 - 1 8 4 7 2	01/25/94	JAPAN			
	2002 - 2 0 7 0 2 2	07/26/02	JAPAN			
	11 - 9 4 7 9 1	04/09/99	JAPAN			
	02 / 4 3 8 6 4	06/06/02	W.I.P.O			

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

/R.K./	11	English Language Abstract of JP2001-281202.
	12	English Language Abstract of JP 08-189913.
	13	English Language Abstract of JP 2000-314714.
	14	English Language Abstract of JP04-264246.
	15	English Language Abstract of JP 10-227756.
	16	English Language Abstract of JP 2003-047500.
	17	English Language Abstract of JP 2003-090815.
	18	English Language Abstract of JP 10-332626.
	19	English Language Abstract of JP 06-018472.
	20	English Language Abstract of JP 2002-207022.
	21	English Language Abstract of JP11-094791

EXAMINER /Robert Kasten/	DATE CONSIDERED 08/13/2009
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